

A-01053 FIGS. 1-34B

FIG. 1

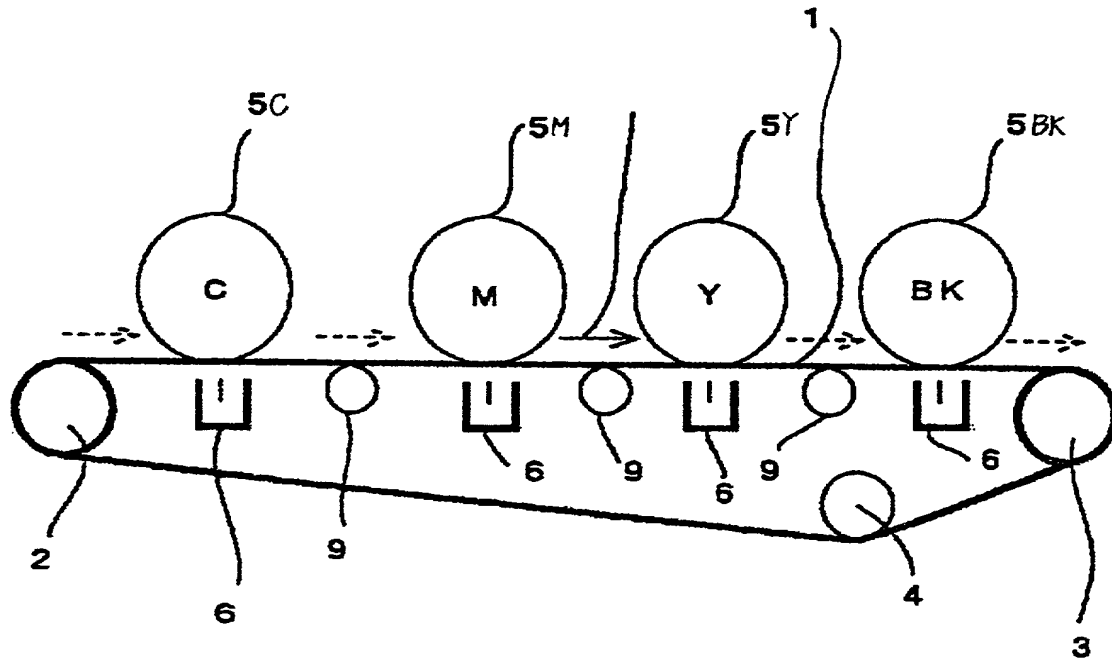
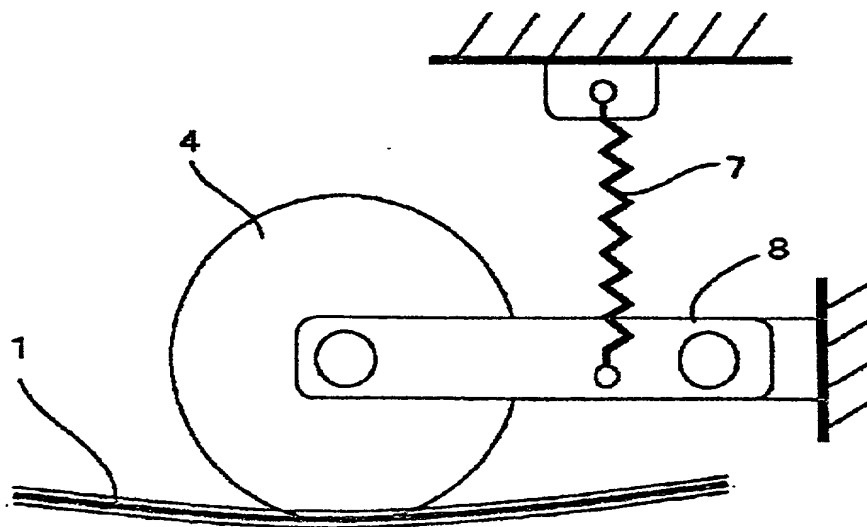
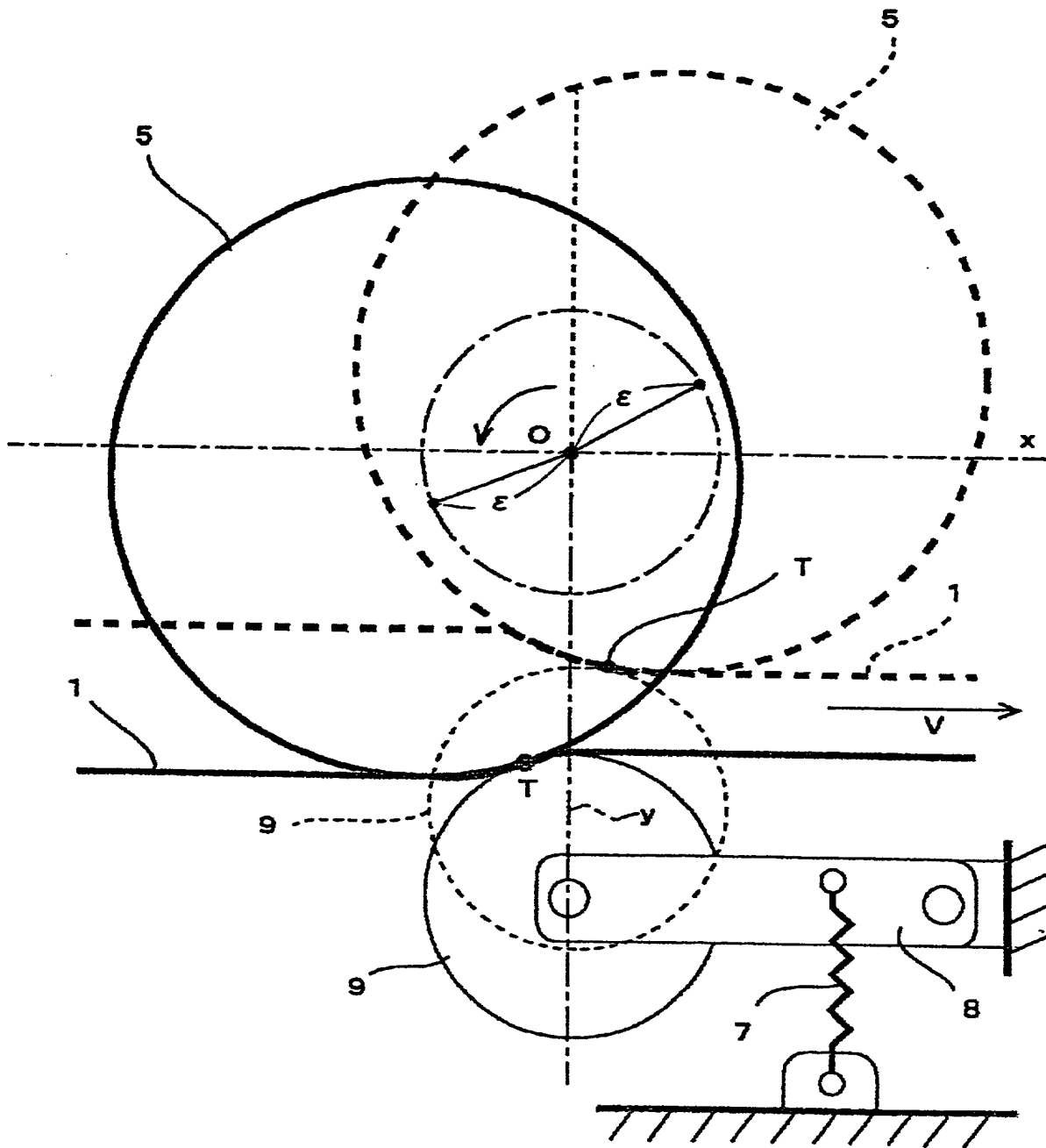


FIG. 2

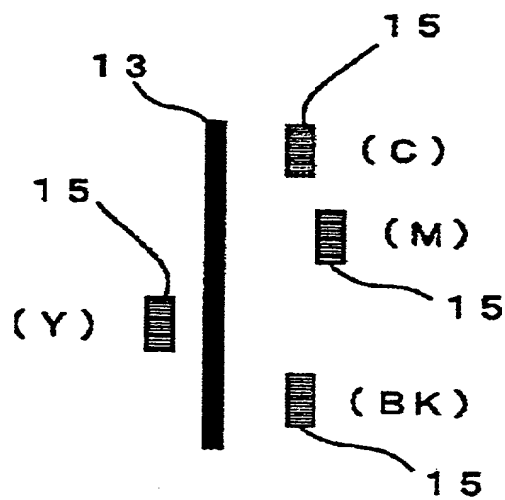


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FIG. 4 PRIOR ART



09985744.1.0601



A schematic diagram of a belt drive system. A timing belt, labeled 1, is shown in a loop. It passes over a large pulley 2 at the bottom left, a large pulley 3 at the top right, and a smaller pulley 4 at the top left. The belt also passes over a series of smaller pulleys 9 arranged horizontally between the large pulleys. A central shaft 21 is connected to pulley 3. A component 22 is shown at the top right, connected to the belt. Various other components are labeled with numbers 2, 3, 3a, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

FIG. 9

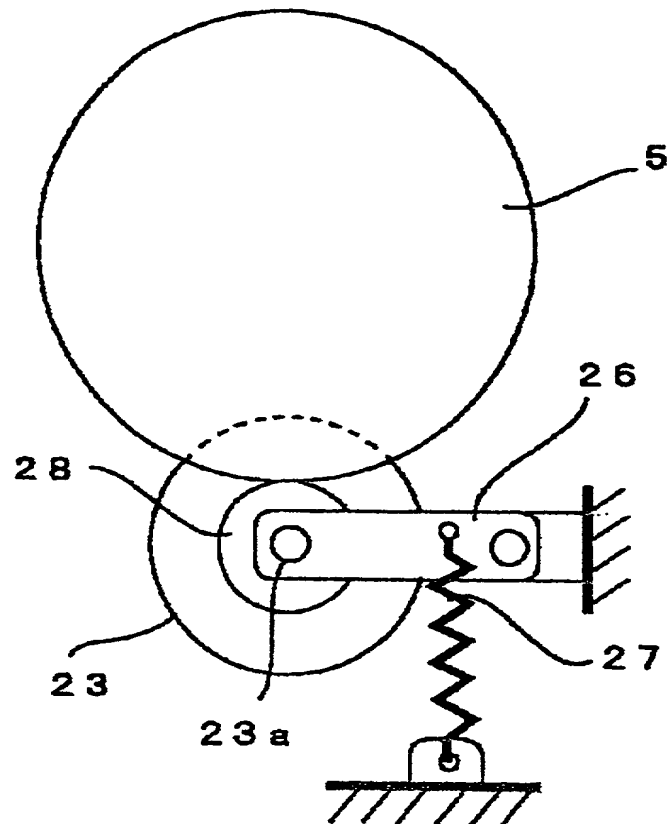
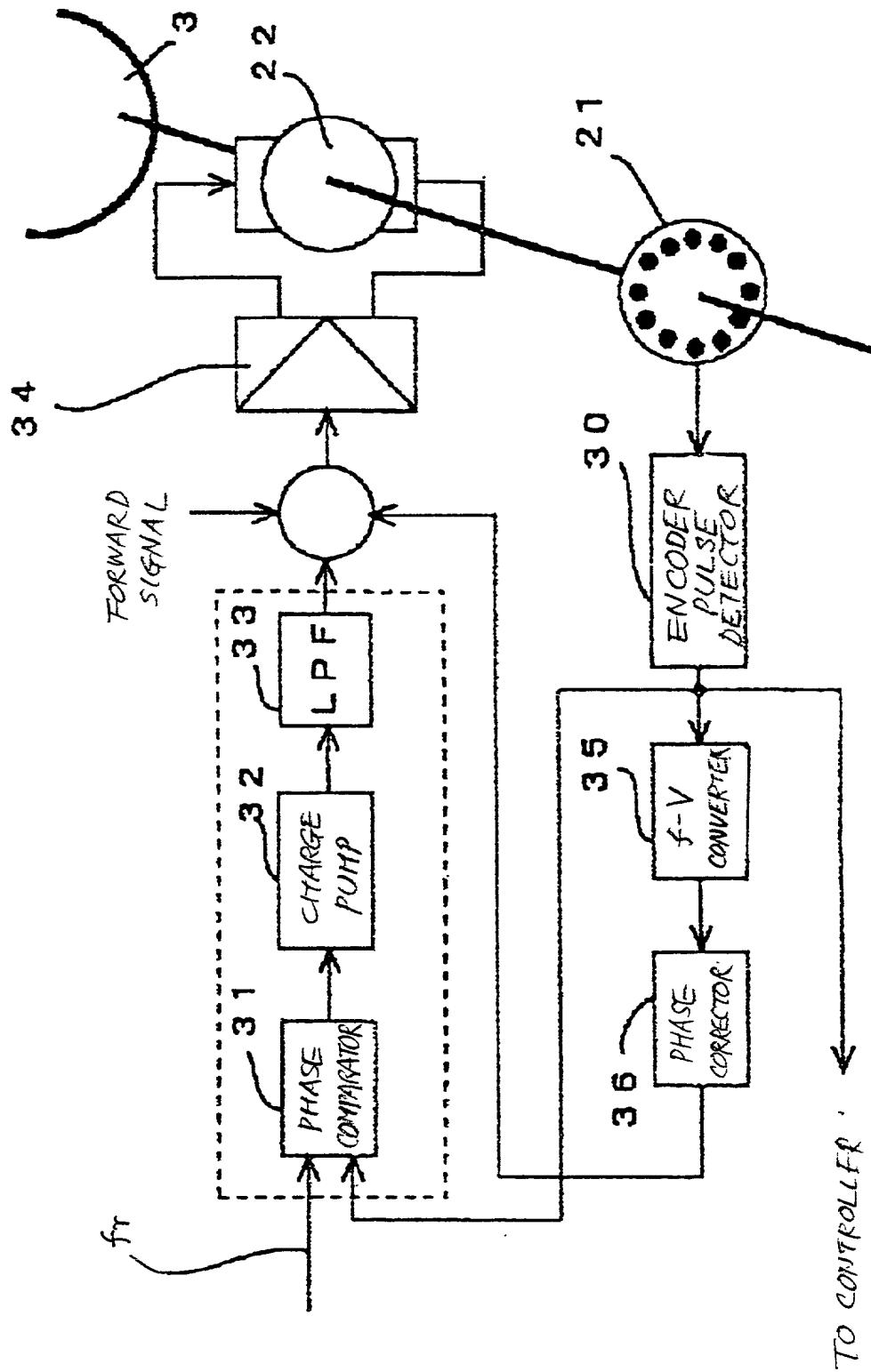


FIG. 10



The diagram illustrates a control system for a drum load variation correction system. The system includes a motor (23) with a counter electromotive force detector (37) and a resistor (R). The motor is connected to a power source. The counter electromotive force detector (37) outputs a signal to a summing junction (36). The resistor (R) is connected to a summing junction (36) and a feedback loop (FF). The summing junction (36) outputs a signal to a phase corrector (38). The phase corrector (38) outputs a signal to a DA converter (39). The DA converter (39) outputs a signal to a controller. The controller outputs a signal to a loop filter. The loop filter outputs a signal to a phase comparator. The phase comparator outputs a signal to a charge pump. The charge pump outputs a signal to the summing junction (36). The summing junction (36) also receives a signal from the output of the reference position sensor (24). The output of the reference position sensor (24) is also connected to the phase comparator and the charge pump.

FIG. 12

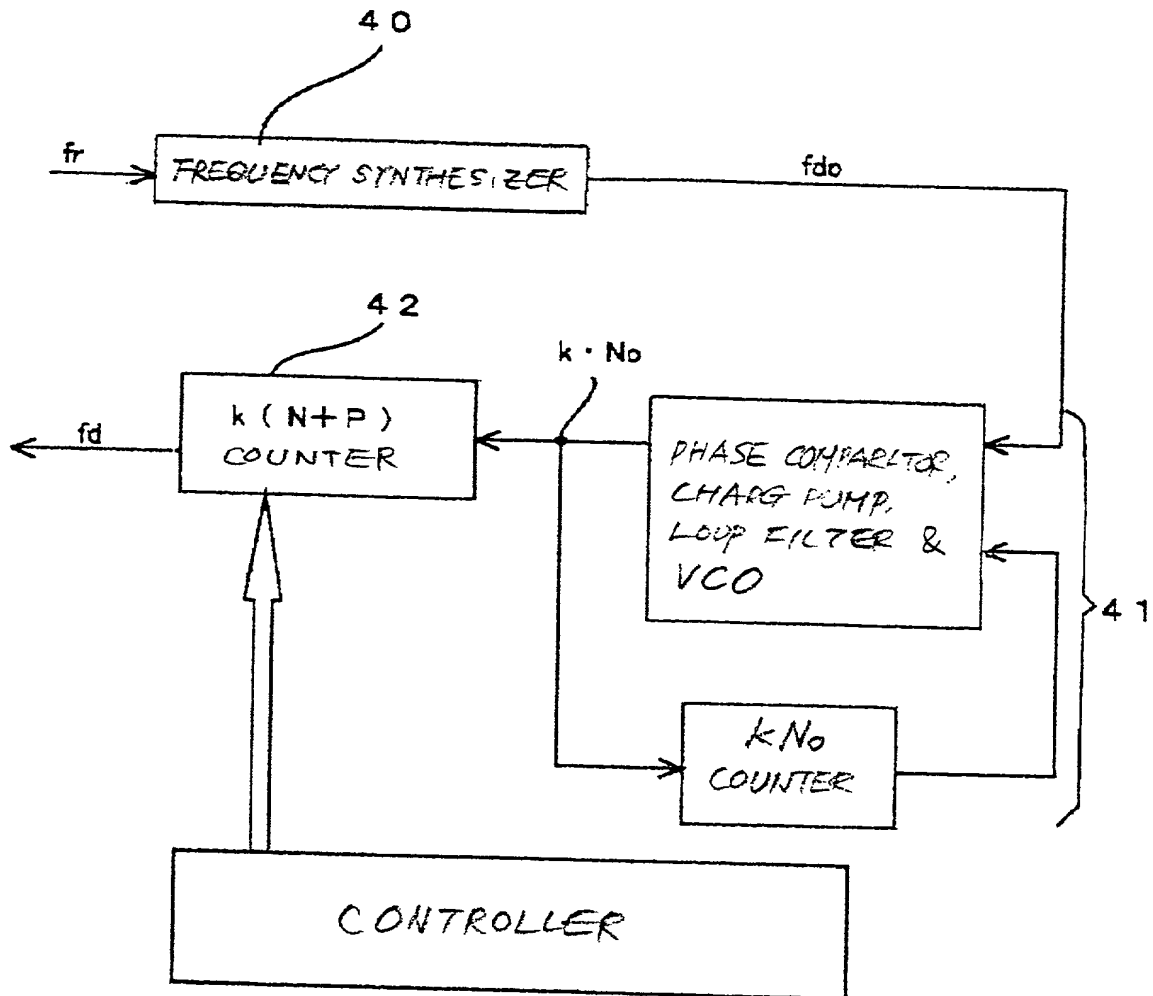


FIG. 13

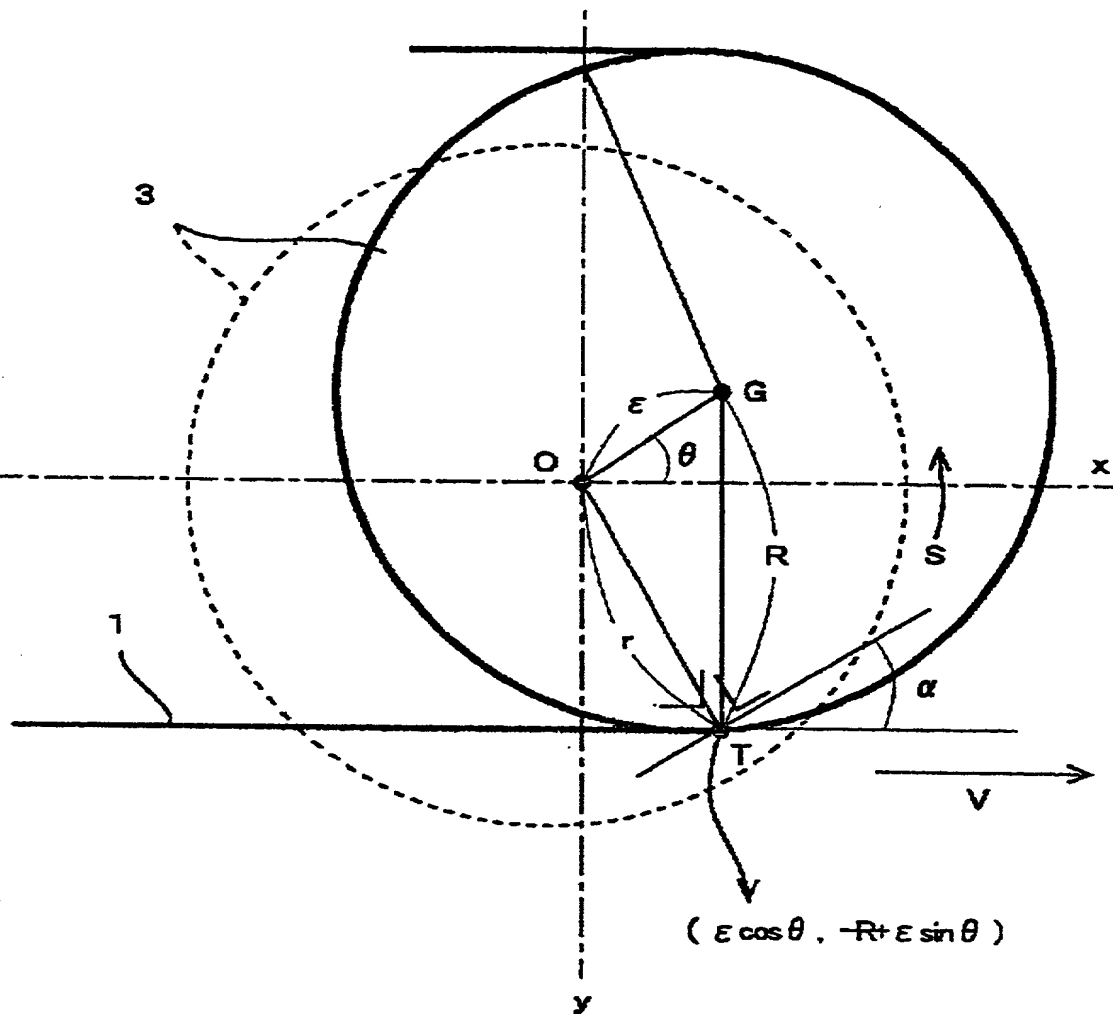
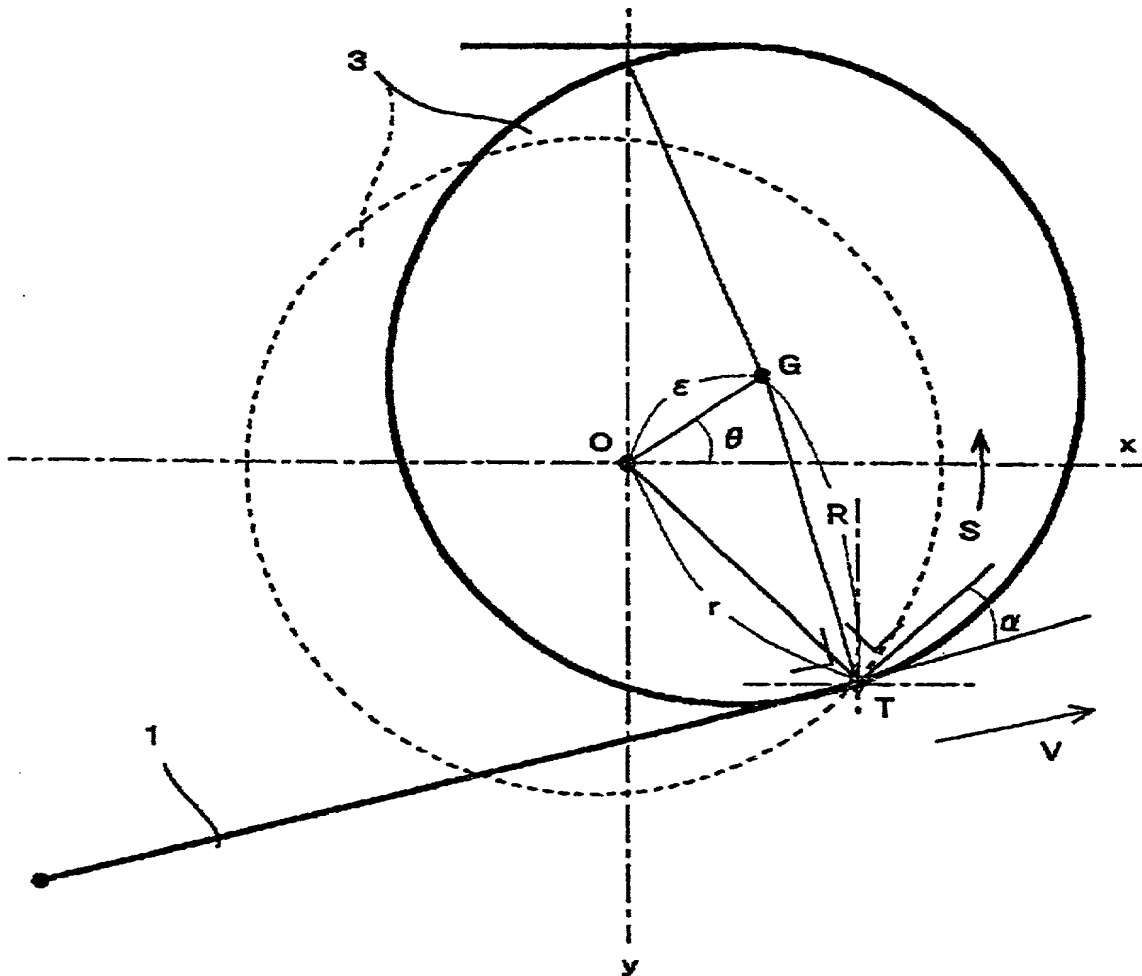


FIG. 14



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FIG. 15

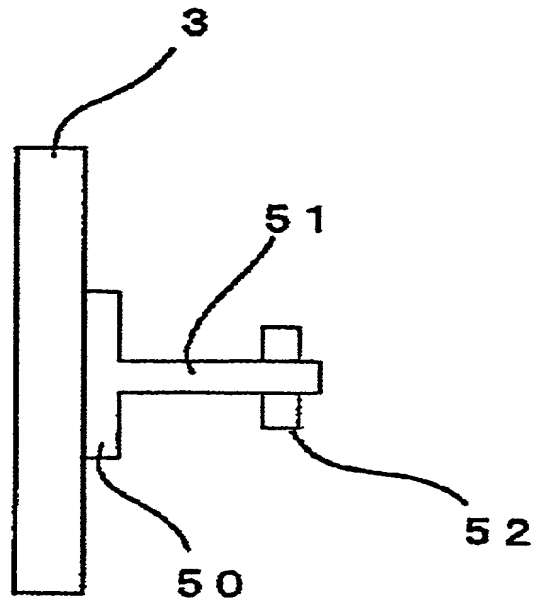


FIG. 16

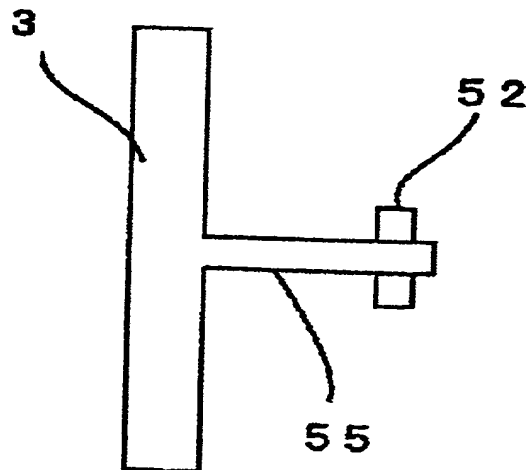


FIG. 17

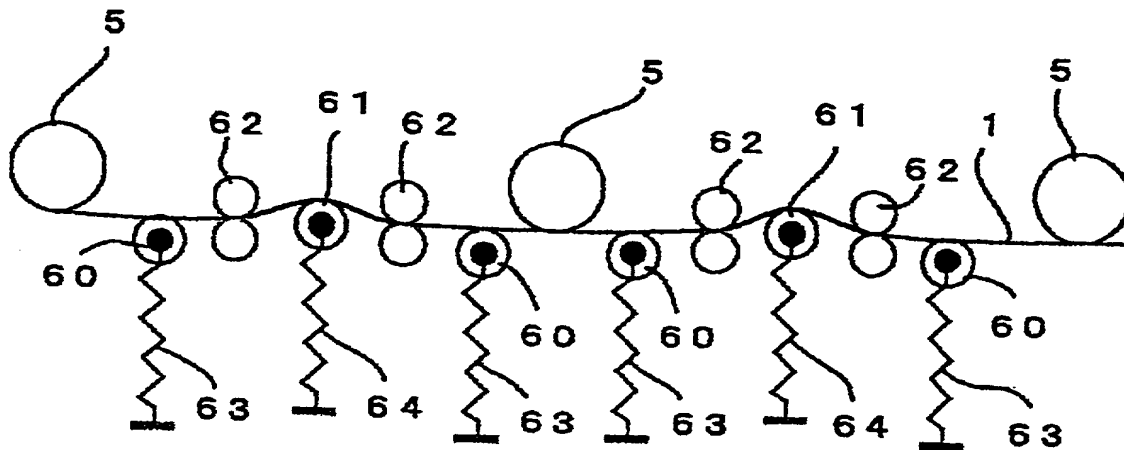


FIG. 18

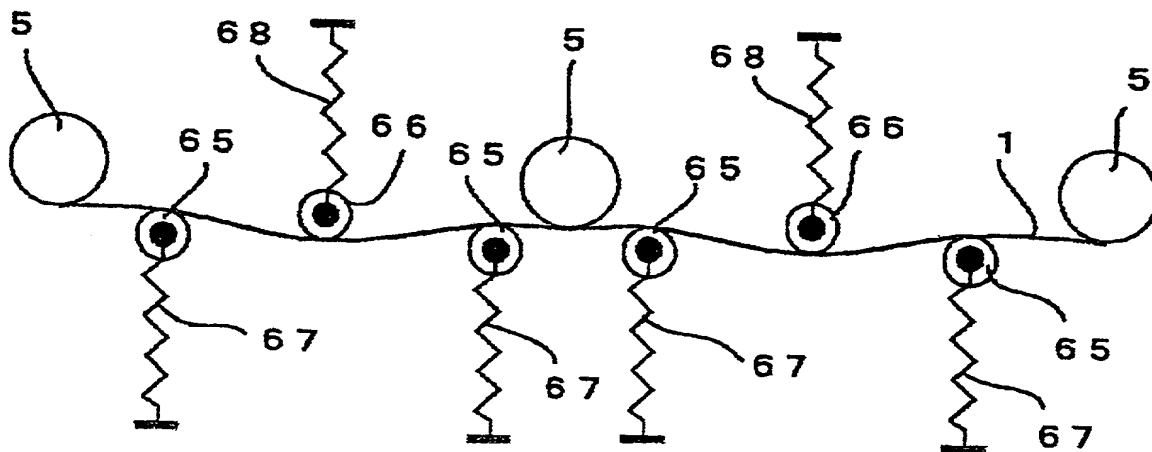


FIG. 19

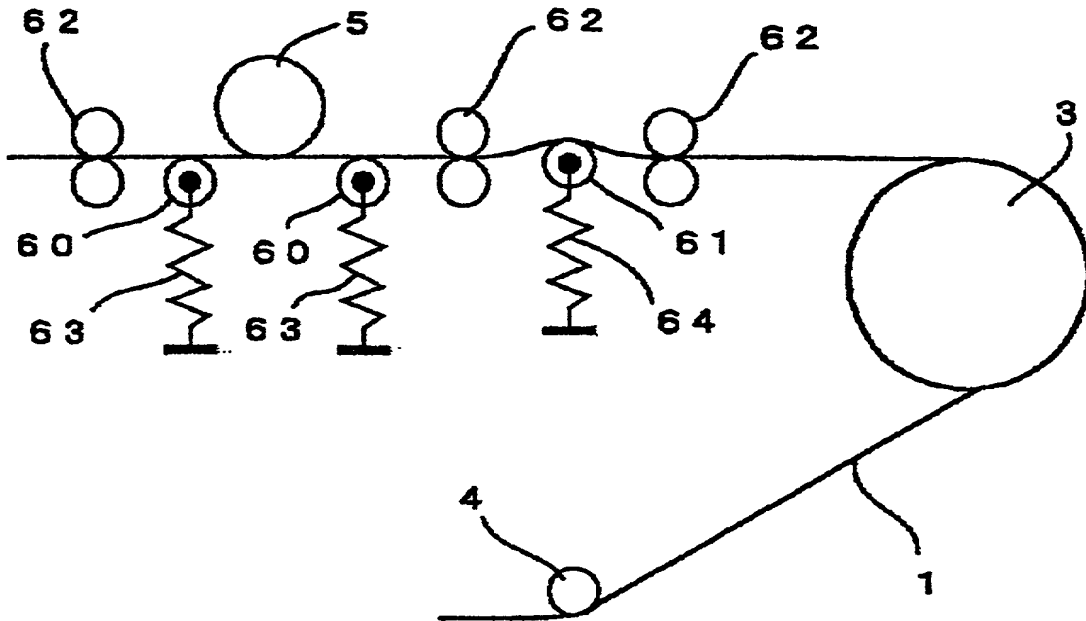


FIG. 20

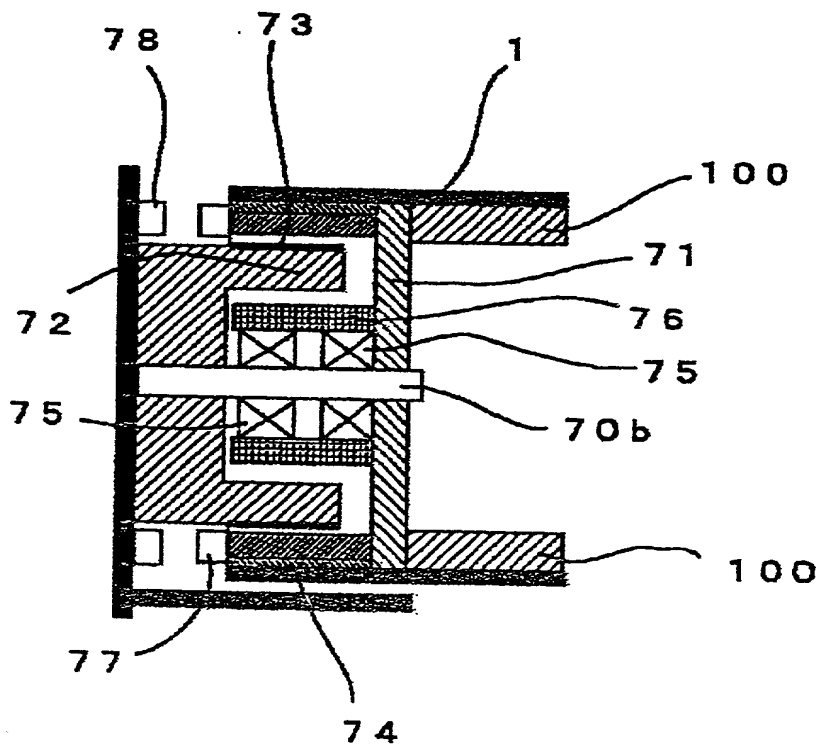


FIG. 21 PRIOR ART

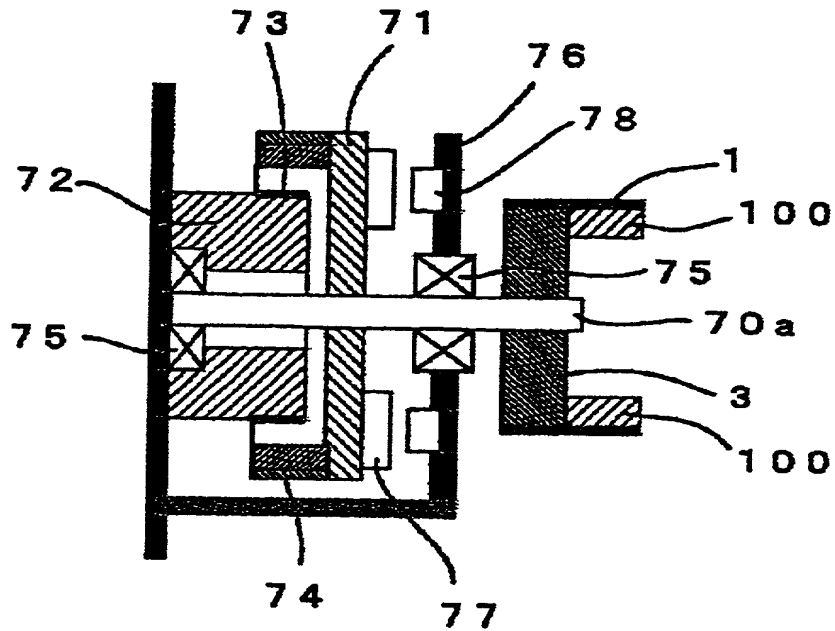
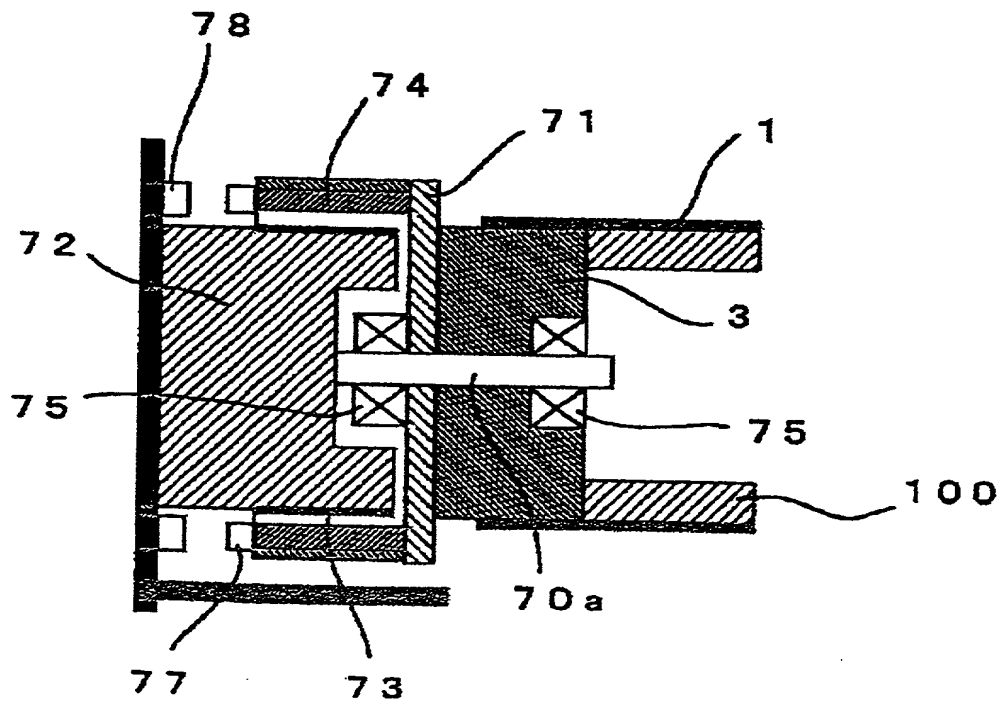


FIG. 22



[illegible]

Fig. 7 is a perspective view of a circular component 71. The component has a central cylindrical protrusion 75. The rim of the component is divided into segments 74a and 74b.

FIG. 25

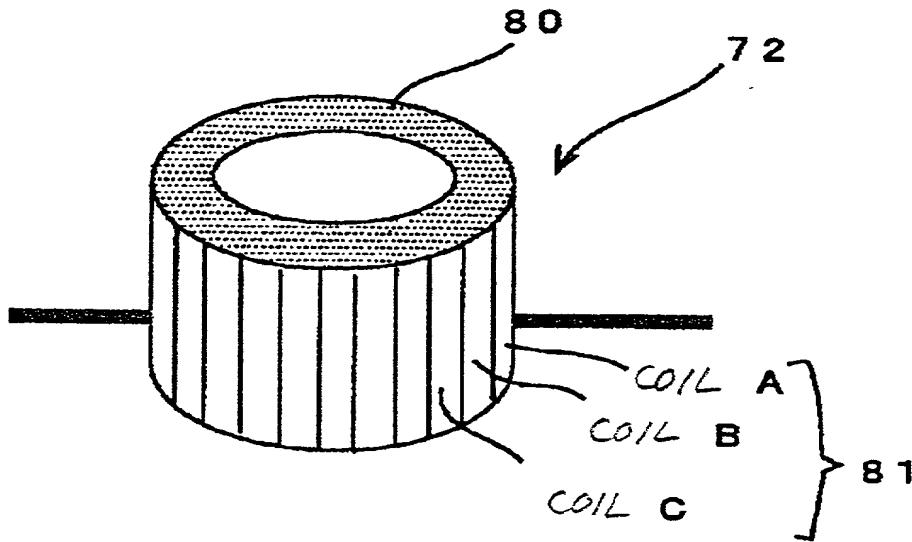


FIG. 26

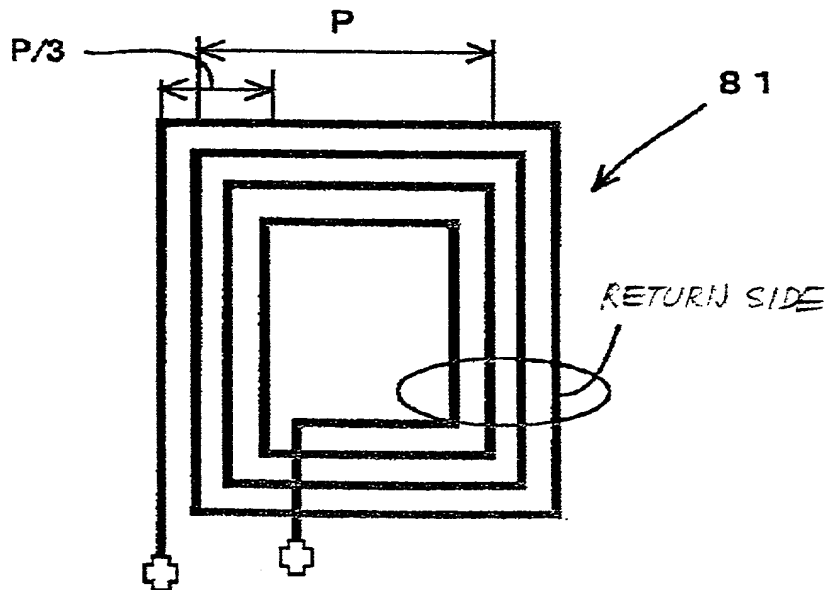


FIG. 27

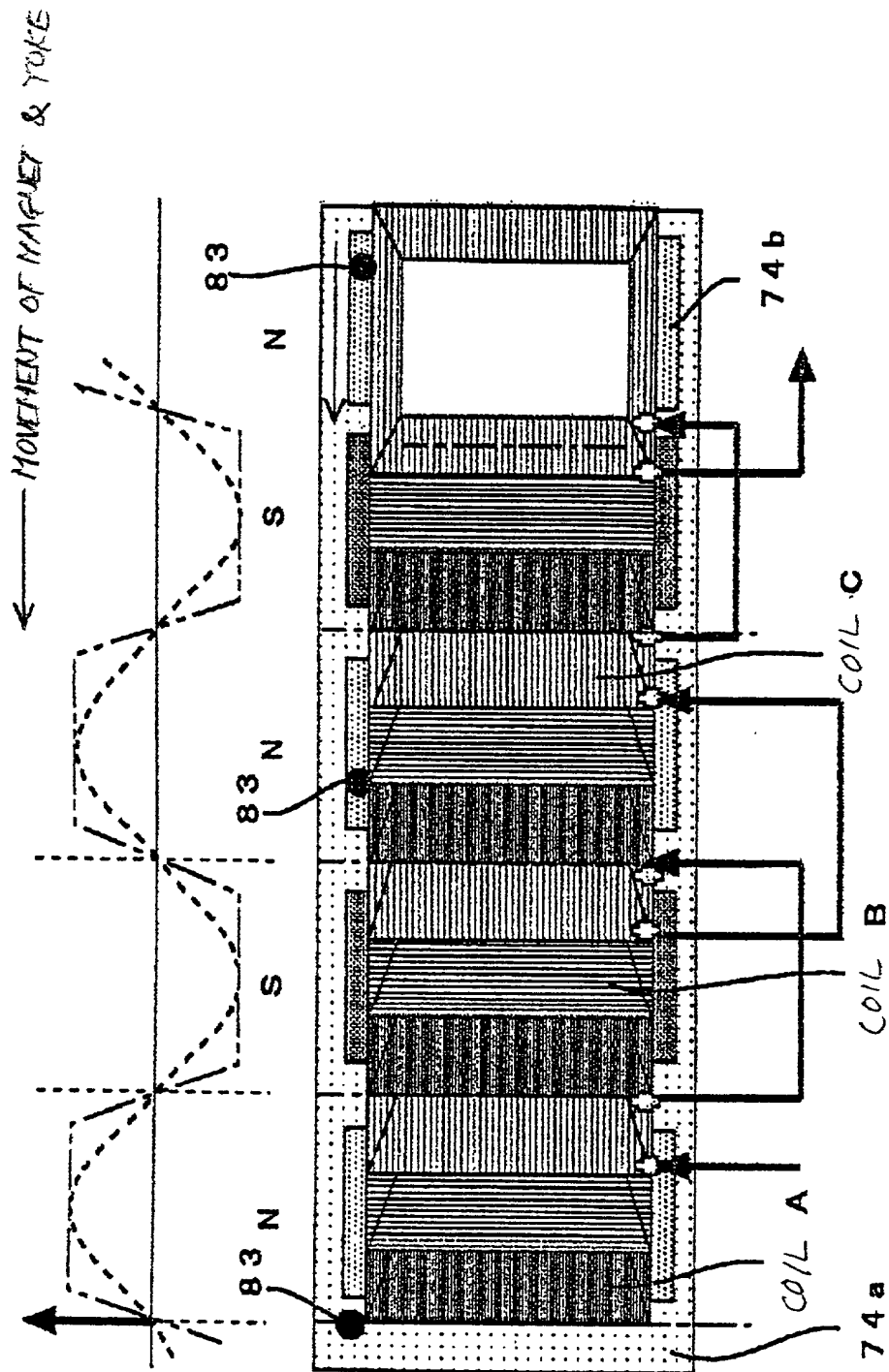


FIG. 28

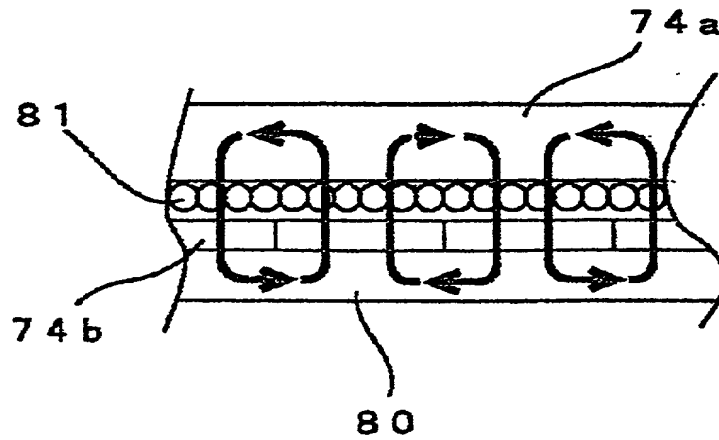


FIG. 29

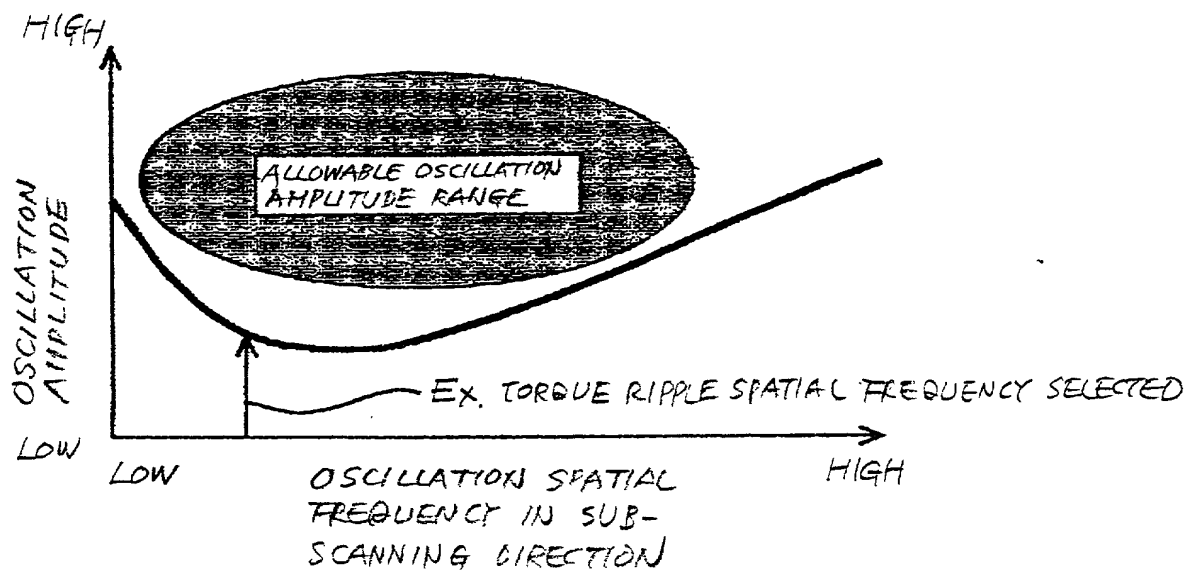




FIG. 30

RELATION BETWEEN COIL &
MAGNETIC FIELD

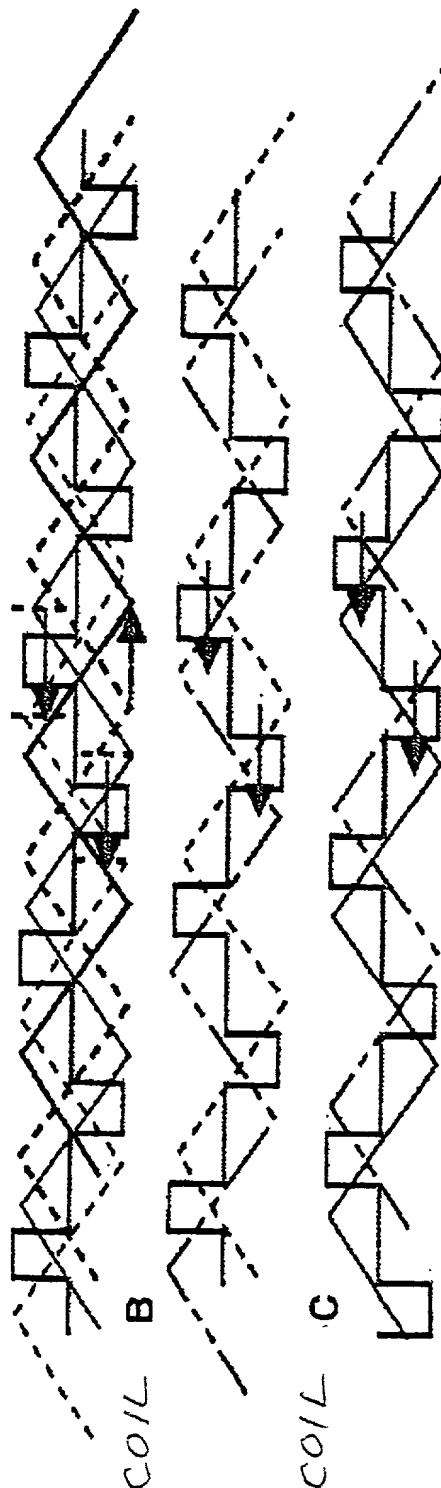
( : CURRENT ON PERIOD)

MOVEMENT OF MAGNETIC FIELD 

COIL A

COIL B

COIL C



TRIANGULAR WAVE SHOWS STRENGTH
OF MAGNETIC FIELD; POSITIVE SIDE
IS DIRECTION N

FIG. 31

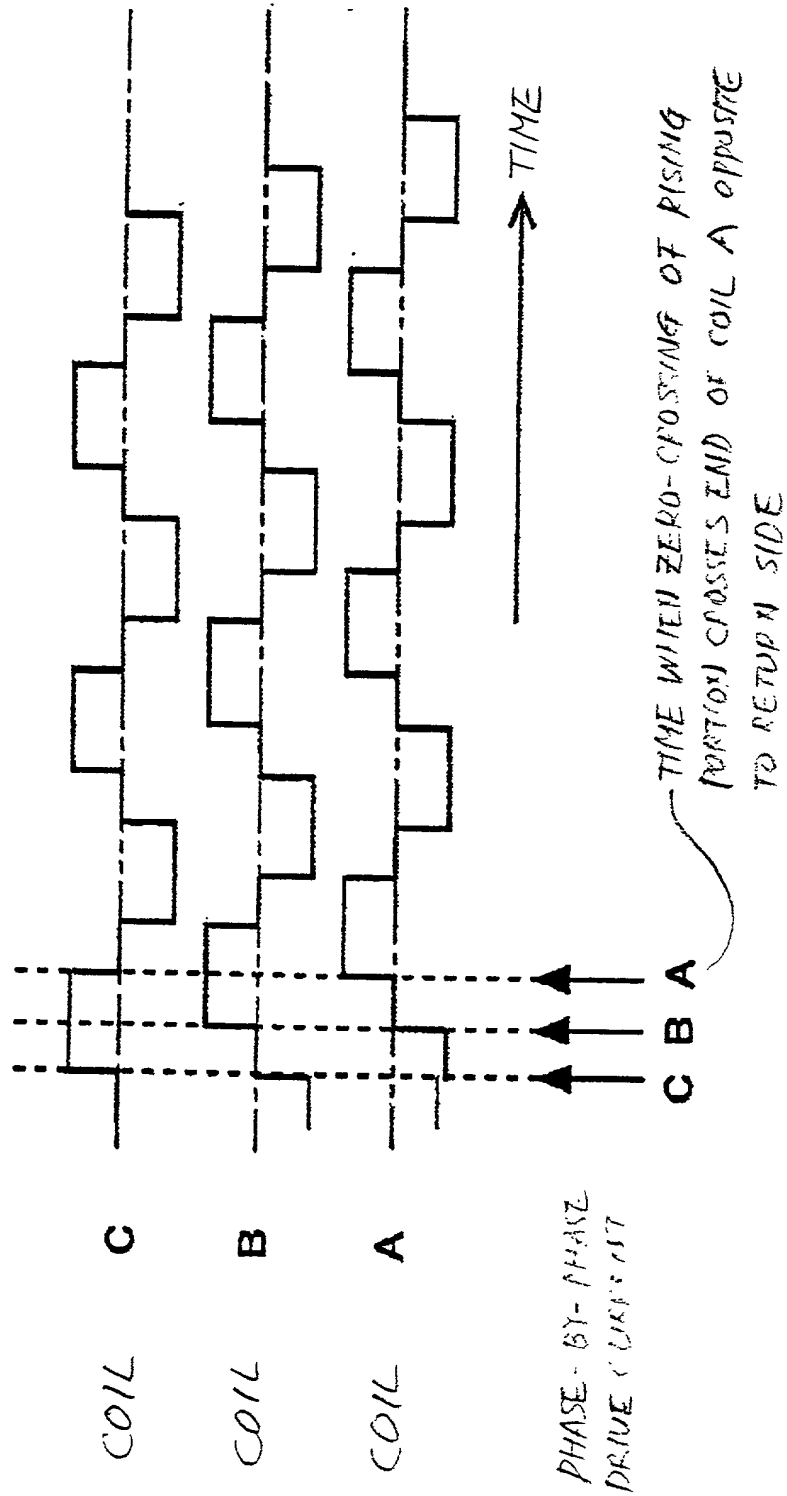


FIG. 32

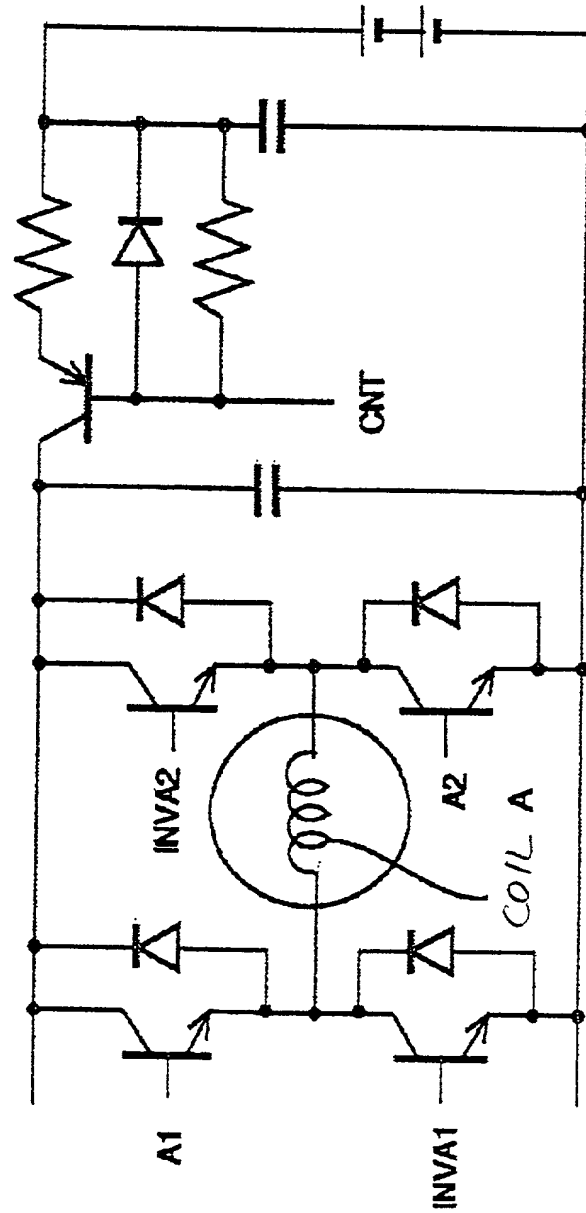


FIG. 32

FIG. 33

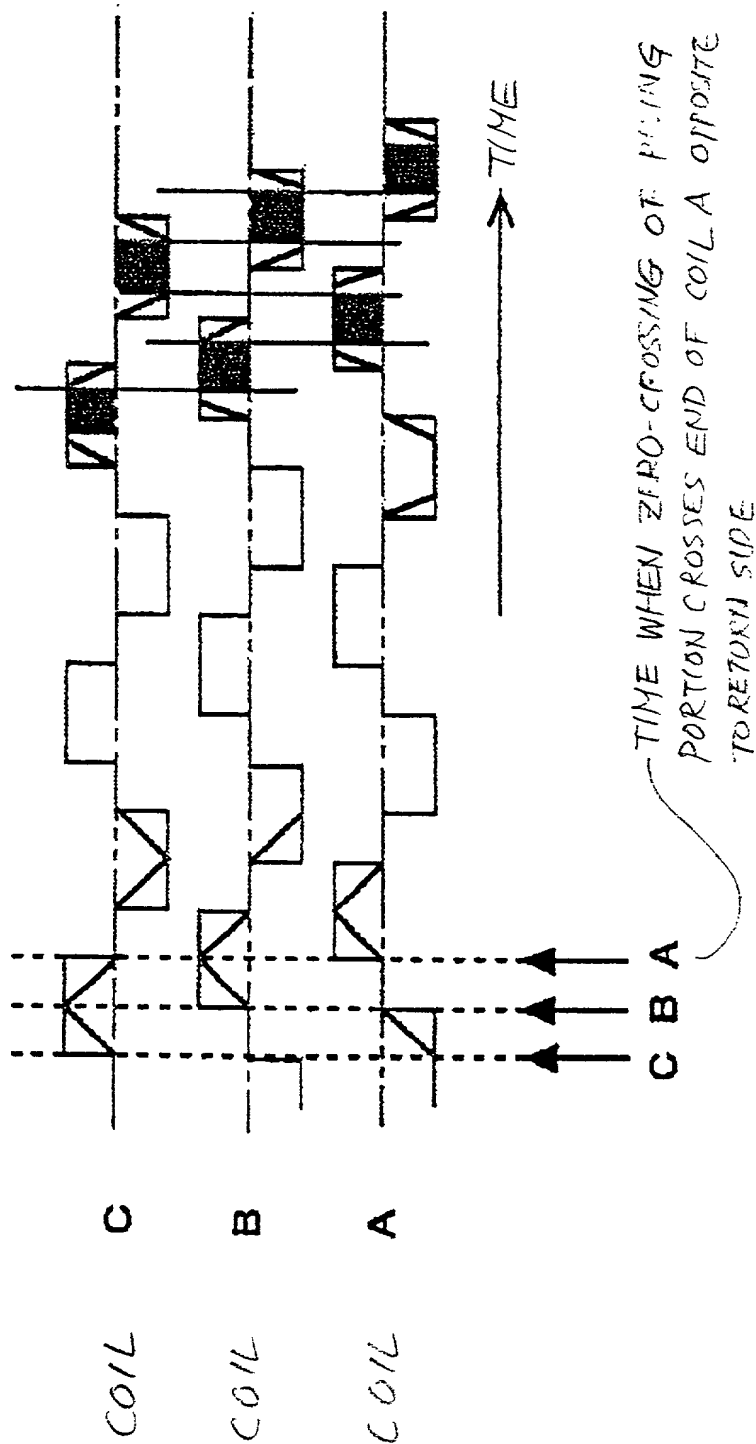


FIG. 34A

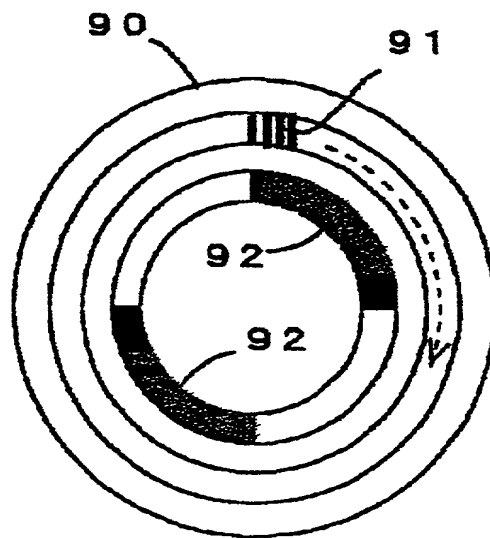


FIG. 34B

